#### STATE OF CALIFORNIA

### CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

## **Base Year Modification Request Certification**

Part 2: Generation Study - Includes Extrapolation of Residential or Non-Residential Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board Office of Local Assistance 1001 I Street, 9th Floor PO Box 4025 Sacramento, CA 95812-4025

Gene	ral lı	nstr	ucti	ons	

Please select the ONE choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

All respondents must complete this sec certify under penalty of perjury that knowledge, and that I am authorized	the information in this			t to the best of my
Jurisdiction Name	ĪĊ	ounty		
San Jose	ls	anta Clara		_
Authorized Signature		te DEPUT	DIRECTED	-
Ellind-Kuan			TUTAL SERVICE	ES DEPT
Type/Print Name of Person Signing		ate	Pho	
Ellen D. RYAN			(408	) 277-5533
Person Completing This Form (please print	or type) T	tle Assoc.	ENAROPME	TAL SPECIALIST
MICHAEL FOSTER				,
Affiliation: CITY OF SAN JE	SE			
Mailing Address	City	[.	State	ZIP Code
777 North First Street, Suite 450	San Jose	lo	:A .	95112-6340

Section II: Information for New Generat	ion-B	ased	i St	udy			, :	
Attach additional sheets if necessary-	гefer	ence	eac	ch response to the appropriate c	ell nu	mbe	r (e.a	. 4).
Note: New base years must be representa				• • • • • • • • • • • • • • • • • • • •			(3	, .,.
1. Current Board-approved existing base-	_	n a ju		2. Proposed new generation-based	etuch	/ VA2	·	
	cai.			1999	atuu	you		
1990				1939				
3. Explain how the proposed generation st	udy y	ear is	s re	presentative of average annual juris	dictio	n dis	posal	and
diversion:	<del></del>							
Diversion and disposal tonnage is consiste	ent wi	th his	STOTI	cal figures. An effort was made to c	quanti	ty pre	evious	siy
unquantified diversion.				· · · · · · · · · · · · · · · · · · ·				
, -								
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•								
							,	
							,	
4. Enter your diversion rates below,								•
				Diversion rate calculated using				
4. Enter your diversion rates below, Diversion rate calculated using								•
4. Enter your diversion rates below,	a.	46	%	Diversion rate calculated using new generation-based study	<b>b</b> .	59	%	
4. Enter your diversion rates below, Diversion rate calculated using existing base year	a.	46	%	new generation-based study	b.	59	%	
4. Enter your diversion rates below, Diversion rate calculated using existing base year For existing base year	a.	46	%	new generation-based study  For new generation based	b.	59	%	
4. Enter your diversion rates below, Diversion rate calculated using existing base year For existing base year pounds/person/day based on	a.	46	%	new generation-based study  For new generation based study pounds/person/day	b.		%	
4. Enter your diversion rates below, Diversion rate calculated using existing base year For existing base year			%	new generation-based study  For new generation based				
4. Enter your diversion rates below, Diversion rate calculated using existing base year For existing base year pounds/person/day based on generation			%	new generation-based study  For new generation based  study pounds/person/day  based on generation	sident			%

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide examples, e.g. change in jurisdiction's demographics.

An effort was made to quantify previously unquantified diversion from commercial and industrial sources.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Adjustment factors do not adequately quantify the City's diversion efforts.

7. Disposal Tonnage: (enter values)	242899	548657	791556
	Residential	Non-Residential	Total
Please select the ONE choice below that best explains your di	sposal data and complete the	e required tables.	
a. All tons claimed are from the Board's Disposal Repo	rting System (No explanation	required. Go to Section 8.)	
b. All tons claimed are from a 100 percent audit of hau	ler and self-haul tonnage. (Pl	ease complete Reporting Yea	ar Tonnage Modification Request and
Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/	forms/rytnmdrq.doc)		
<ul> <li>c. Some Disposal Reporting System data were correct</li> </ul>	ed. (Please complete Reportir	ng Year Tonnage Modification	Request and Certification sheet found
http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc)			

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: the Board expects the jurisdictions to be able to provide all back-up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes [i.e., agricultural wastes, inert solids (e.g. concrete, asphalt, dirt, etc.), white goods, and scrap metal], please identify those programs/waste types and fill out section 11. Note: Restricted waste material should not be extrapolated in non-residential waste audits. Please mark as attachment 8 all copies of survey forms.

\* Please provide detailed non-residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details subsantiating your claim.

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation		Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types, The program type glossary is enline at: http://www.clwmb.ca.gov/ LGCentral/PARIS/Codes/ Reduce.htm	(A)	(良)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
Residential Activities:							
Source Reduction							
Backyard composting Grasscycling	1428		1428.11	0.1%	Food waste and green waste	700 lbs per bin per year	City report
Other residential source redu	ection (list eac	h program sej	parately)				
Diaper service	364		364	0.0%	Diapers	1 lb per diaper	Phone survey
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Subtotal Res. Source Reduction	1792	0	1792.11	0.1%			
Recycling							
Curbside Recycling	93074	N/A	93073.66	4.9%			
Buyback centers	10841	N/A	10841.16605				
Drop-off centers	168	N/A	167.645	0.0%			
Other residential recycling	(list each prog		y)				
Enter program name		N/A					
Enter program name		NA				<u> </u>	
Enter program name		N/A					
Enter program name		NA					
Enter program name		N/A		<u> 1::::::::::::::::::::::::::::::::::::</u>		I	

Diversion Activity	: Actual tons	Estimated or	Total tons	Relative Percen	Specific material type(s)	Specific conversion factor used (if	Type of record and location of record
		extrapolated		to Total Generation		any) and Source	
Please use the Board's program types.				(A+B)/Total Generation	(List programs with multiple materials together)		
The program type glossery is chiline at: http://www.ciwmb.ca.gov/ LGCentral/PARIS/Codes/ Reduce.htm	(A)	(B)	(A+B)				
Subtotal Residential							
Recycling	104082		104082.4711	5.4%	<u>l</u>		
Composting Green waste drop-off		N/A					
Curbside green waste	123854	N/A	123853.59	6.5%	Green waste		City count
Christmas Tree program	123034	N/A	123033.39	0.574	Green waste		City report
Other residential composting	(list each pro		ely)				
Enter program name		N/A					
Enter program name	-	N/A					
Enter program name		N/A					
Enter program name Enter program name		N/A N/A					
Subtotal Residential  Composting	123854	IN/A	123853.59	6.5%			
Subtotal Residential	123036		123893.09	10,1076			
Diversion	229728	0	229728.1711	12.0%			
Non-Residential Activities: Source Reduction							
Non-residential Waste Audits*	4665	1203	5867.534646	0.3%	See Section 9	See Section 9	See Section 9
Other non-residential source	raduction (lie	t oork nrowen	o sacontaliA				
Material handlers (commercial	attriction tile	t each prograi	ii sopalately)				
source reduction)	20191	ŇÁ	20191.41945	1.1%	Food bank, pallet handlers	İ	Phone survey
Grasscycling (golf courses and	20701		20101141040	1.4.70	r dod barik, paliet franciers		Frione survey
cemetaries)	2958	N/A	2958 497978	0.2%	Grass	350 lbs. per 1000 sq ft/year	Phone survey
Grasscycling (school district)	7166	N/A	7165 647965	0.4%	Grass	350 lbs. per 1000 sq ft/year	Phone survey
Grasscycling (city parks and							, , , , , , , , , , , , , , , , , , , ,
grounds)	6307	N/A	6307	0.3%	Grass	350 lbs. per 1000 sq ft/year	Phone survey
Enter program name		N/A					
Subtotal Non-Residential Source Reduction	41287	1202.649358	42490.10004	2.2%			
Recycling							
Non-residential Waste Audits*	44962	109195	154157 0591	8.1%	See Section 9	See Section 9	See Section 9
Other non-residential recyclin	n (list each o	rogram senari	atelvi				
City in-house diversion	69714	N/A			Concrete, asphalt, paper,		
			69714	3.6%	aggregate		Phone survey
Material handlers (commercial		N/A			Tallow, asphalt, concrete,		
recycling)					computers, animal feed, tree	i	
	21999		21998.53662	1.1%	trimmings, paper, food, wood		Phone survey
Enter program name		N/A					
Enter program name		ŇÁ	pętikiakanaka				

Diversion Activity	Actual tons	Estimated or	Total tone	Relative Percen	Specific material (voels)	Specific conversion factor used fif	Type of record and location of record
		extrapolated		to Total	openio macini type(a)	anv) and Source	1 yps of 600 a card toolaids of 1000 a
		tons		Generation			
				(A+B)/Total	(List programs with multiple		
Maria da Maria Mariano di Calculation				Generation	materials together)		
The program type glossery is online at:	a de la companya de	(B)	(A+B)				
http://www.ciwmb.ca.gov/							
I CC antrol/PAPIS/Codes/							
Perhica him							
T-4		11111111111111111111111					
Enter program name		N/A					
Subtotal Non-Residential							
Recycling	136675	109194.6498	245869.5967	12,8%			

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/ LGCentral/PARIS/Codes/ Reduce.htm	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
Composting							
Non-residential Waste Audits*					See Section 9	See Section 9	See Section 9
Other non-residential compos	ting (list eac	h program ser	arately)				
Enter program name		N/A					
Enter program name		N/A		301000000			
Enter program name		N/A					
Enter program name		NA					
Enter program name Subtotal Non-Residential		N/A					
Composting	0	0	0				
Subtotal Non-Residential		randon versione.					
Diversion	177962	110397.2991	288359.6957	15.1%			
Residential/Non-residential Diversion Activities							
ADC	209624	N/A	209623.94	10.9%	ADC		CIWMB
Sludge		N/A					
Scrap metal		N/A					
Construction and demolition	125000	N/A	125000	6.5%			
Landfili salvage	270503	N/A	270503.03	14.1%	Inerts, tile, toilets, yard waste, care	dhoad metals	Landfill reports
Subtotal Residential/Non-				2000	mers, me, tones, yard waste, car	dooud, metats	
Residential Diversion	605127		605126.97	31.6%			
Total Res/Non-Res Source Reduction Tons	43080	1203	44282	2.3%			
Total Diversion Tons	1012818	110397,2991	1123214,837	59%			
Total Disposal Tons from Sec.7	791556		791556.38	41.3%			
Total Generation (Div+Dis)	1804374	110397,2991	1914771.217	CONTRACTOR OF THE PROPERTY OF			
							THE THE PERSON WAS AND THE PERSON OF THE PER

#### 9. Specific Non-Residential Sector Waste Audits - Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from the largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

### (Form will perform all calculations).

Include attachment, marked attachment 9, which includes a summary of all the generators surveyed and all extrapolation calculations used to estimate the diversion rate:

- include copies of survey form(s) used.
- Include for each generator (use type of generator in lieu of specific generator name, e.g. grocery store) each specific diversion activity and material type (e.g. cardboard recycling) and the associated tonnage for each diversion activity/material type, and applicable conversion factors/source.
- If using number of employees for your extrapolation method, include this information for each generator surveyed,
- Please order the non-residential generators, largest to smallest, based on total diversion tons.
- Also, summary should include the generators that were selected to be surveyed, but did not respond to the survey and the number of employees at each generator.
- As a comparison between disposal from the waste audits and DRS, the disposal for each generator must be included in the summary. Also, you should note if the disposal is being used for the extrapolation calculation. For each non-residential generator, the disposal must be broken out by cubic yard, and roll-off or compactor weights. If disposal was estimated for either disposal-based or employment-base extrapolation methods, please include conversion factor(s) for disposal and source for conversion factor(s). Please provide an explanation as to how the conversion factor(s) is (are) appropriate for your jurisdiction, e.g. study was conducted to determine average weights using hauler weight tickets, etc.

Type of Non-residential Generator	Audit Reference Number	Specific Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Number of Employees	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section B)	Survey Method Phone (P) Mail (M) On-site (O) Other
News рарег	15855	Cardboard and paper recycling	68	1	7594		7595.560031	0.4%	0
Paper manufacturer	9655	Cardboard recycling	99	365.7	4618		4983.2168	0.3%	О
Brewery		Cardboard and food waste							: O "
	18499	recycling	12	1913	210		2122.64	0.1%	
Lumber	16932	Wood recycling	35	0	2068		2067.96725	0.1%	Р
Computer manufacturer		Paper recycling, grass, toner cartridges, construction debris	10392	0	2127		2126.815	0.1%	0
Food manufacturer		Cardboard and food waste recycling	161	661	619		1279.5315	0.1%	0
Retail	***************************************	Cardboard recycling and reuse, clothing donation	167	234	931		1165.0925	0.1%	0
Retall	elantaro de cuinta de Manda de Aldaro de Chiente de Chi	Cardboard recycling and reuse	100	2	1022		1023.5125	0.1%	0
Retail	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Cardboard recycling and reuse	162	57	962		1018.2855	0.1%	O
Retail		Cardboard recycling and reuse	153	37	935		972.0456016	0.1%	0
	Tota		11349	3269	21085		24355		

Summarize the non-residential diversion activities for the top 10 generators quantification methodology and applicable conversion factors and sources. (e.g. cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

The numbers below in parentheses correspond to the top ten generators above - numbered in order (1) through (10).

CARDBOARD: (1) 447 tons per year (TPY) recycled at Smurfit Recycling based on a monthly average of tons recycled from 6/98-5/99 from facility records (2) 4550 TPY from trim process received by Waste Management, Inc (WMI) cited by business representative based on facility records; 343.2 TPY cardboard slip-sheets reused based on business rep. estimates of 8800/week @ 1.5 lbs/ea. (derived by on-site weighing of sample sheet) (3) 41.6 TPY received by private hauler based on business rep. estimate of 2bales/week @ 800 lbs/ea. (4) 11.7 tons recycled by WMI based on 3 cubic yards (CY) X 3 days/week @ 50 lbs/CY (5) 659.56 TPY recycled by Browning Ferris Industries (BFI) based on records of 1,319,126 lbs for 1999 maintained by the company (6) 584 TPY recycled by BFI based business rep. estimate of 4 bales daily @ 800 lbs/ea. (7) 858 TPY backhauled based on 22 bales, 3 X week @500 lb/ea.; 228.1 TPY box reuse based on business rep. estimates of approximately 152000 disposable boxes repacked/yr (12 pallets/week, 8 sets/pallet, 22 boxes/set, 8 months of year & 30 pallets/week, 8 sets/pallet, 22 boxes/set, 4 months of year @ 3 PAPER: (1) 417.96 TPY white paper on cores recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/98-5/99 monthly average from facility records; 350.04 TPY white newsblank recycled by Smurfit based on 6/9

GLASS: (3) 168.5 TPY non-CRV glass recycled by WMI based on business rep. estimates of 3 CY/weekly pick-up @ 2160 lbs/CY

**10.** On a separate sheet of paper, marked attachment 10, provide the following information for each diversion program listed in section 8 that was extrapolated from representative sampling. (Note: Do not include non-respondents in extrapolation because there is no data from the non-respondents.)

## A. Describe sampling method including:

- Type of sampling method (for either stratified or cluster sampling provide detailed information on how strata and clusters were collected.):
- Total number of samples included in the survey;
- Number of non-respondents and respondents:
- Total population;
- Source for identifying population (e.g. city business licenses, commercial database, resident's addresses, etc.);
- Relation of sample size to total population;
- Survey data collection tool(s) and approaches;
- Confidence level and margin of error for the sampled population;
- Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation; and
- Unusual outliers and exceptional anomalies should be described in detail.

# B. Describe the methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, MRFs and composters.

## C. Describe extrapolation method including:

- Basis of extrapolation;
- Why this extrapolation method is appropriate; and
- Sources of information used for extrapolation, such as disposal or employment.
- Include all Calculations.

- 11. For each restricted waste type [(i.e. agricultural waste, inert solids (e.g. concrete, asphalt, dirt, etc.), scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:
- a. If the diversion program started on or after January 1, 1990, complete the following table:
   (Note: program name refers to one specific diversion program for that waste type, for example diversion conducted by City Public Waste Dept.)

Restricted Waste Ty	pe	Specific Program name	Year started	Tonnage	
Inert Solids	▼	City street maintenance	Post 1990	5000	
Inert Solids	▼	City concrete and asphalt	Post 1990	62000	
Inert Solids	▼	City chip seal aggregage	Post 1990	2000	
Inert Solids	•	Landfill diversion	Post 1990	181797	
Inert Solids ▼ B		Businesses concrete and asphalt	Post 1990	125000	
Pull Down for Waste Types			,		

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 11b, provide the	e
following documentation: (Note: If documentation for a waste type and program has already been approved by the E	}oard,
you do not have to provide an attachment 11b for that waste type and program. Instead	
please provide date of Board approval of previous submitted information.)	Date)
If documentation is not available, go to 11d.	
How the diversion was the equit of a least extra taken by the invitalistic much be entitled by the diversion to  the diversion to the diversion to the diversion to the diversio	

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 11b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type		Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	-		
Pull Down for Waste Types	-		

d. If the diversion program started before January 1, 1990, and the documentation requested in 11b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name New base year or reporting year tonnage	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types	,			
Pull Down for Waste Types	,			
Pull Down for Waste Types			-	
Pull Down for Waste Types				•
Pull Down for Waste Types	•			

# New Base Year Form Section 10 Extrapolation of Data

For the random business survey, the total tonnage diversion was extrapolated using the following methodology.

## A. Describe Sampling Method

- Type of sampling method. The City of San Jose business license database was used to generate the list of businesses for the study. Based on business type and size, 358 businesses were selected for targeted on-site waste assessments. Diversion tonnage for the targeted businesses were tracked separately and not included in the extrapolation. The remaining 20,152 businesses were used for the random business survey. The list was randomized and the businesses were called in the random order produced.
- Total number of samples included in the survey. Calls were made to 333 businesses out of 20,152 potential businesses.
- Number of non-respondents and respondents. Of the 333 businesses surveyed, 226 businesses, representing 5,272 employees, completed the survey and 107, representing 2,769 employees, declined to complete the survey. We assumed no diversion for the non-respondents.
- Total population. Total population for the random business survey was 20,152 businesses, representing 162,144 employees.
- Source of identifying population. The source was the City of San Jose business license database.
- Relation of sample size to total population. In determining the sample size for the study, we relied on the standard formula presented in Appendix K of the Diversion Study Guide. For an infinitely large population (at a 90 percent confidence level), the formula determines a minimum sample size of 271 samples.
- Survey data collection tools and approaches. The surveys were conducted by the San Jose State University Center for the Development of Recycling. The staff was trained by BVA in survey methods as described in the Diversion Study Guide. A copy of the survey instrument used to gather data from the random phone calls is attached.
- Confidence level and margin of error for the sampled population. As described in Appendix K of the Diversion Study Guide, the confidence interval for the sampled population is 90 percent with a plus or minus 5 percent precision level.

- Outliers. An outlier analysis was performed on the survey samples. The businesses were stratified by population into large and small strata (80/20 split) and the outlier analysis was performed using two times the standard deviation plus the mean to identify the outliers. All outliers were then removed from the extrapolation calculation.
- A. Describe methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, MRFs and composters.

No data from independent haulers, recyclers, MRFs or composters was included in the Waste Generation Study. A limited number of material handlers (including renderers, document destruction companies and animal feed companies) were surveyed for the Waste Generation Study. If a business reported diversion of these specific materials, the tonnage was excluded from the extrapolation in order to avoid double-counting.

## B. Describe Extrapolation Method.

- Basis of extrapolation. For the large and small business strata, a weighted average recycling tonnage amount and a weighted average source reduction tonnage amount was calculated per employee to determine at recycling diversion correlative factor and a source reduction correlative factor. The correlative factors were multiplied by the total number of employees in the population (excluding those from the outliers) to obtain total recycling and total source reduction amounts.
- Why this extrapolation is appropriate. This extrapolation method (using weighted averages and excluding outliers) is conservative and estimates that there is approximately 1 ton diverted for every employee in the survey population.

	Sample Businesses	Tons Per Employee	Correlative Factors (Tons per Employee)		Extrapolated to Total Population	Tons Per Employee
	333	8,040	Large	Small	20,152	162,144
	Businesses	Employees	Stratum	Stratum	Businesses	Employees
Recycling	9,115.69	1.13	0.60	0.12	109,194.65	0.67
Source	138.04	0.02	0.01	0.004	1,202.65	0.01
Reduction						
Total	9,253.73	1.15			110,397.3	0.68

 Sources of information used for extrapolation. Employment numbers were obtained for each business from the San Jose business license database.